Anniston Chemical Agent Disposal Facility

Disposal process

1

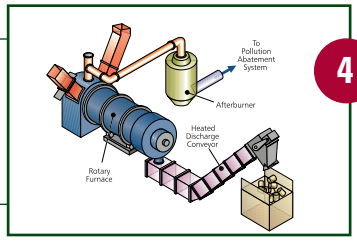
The Enhanced On-site Containers (EONCs) are delivered to ANCDF's container handling building. From there, a conveyor is used to safely move the EONCs through the container handling building.

2

The plant is equipped with a cascading ventilation system and carbon filters, ensuring no chemical agent is released into the environment.

3

In the explosive containment room, (equipped with 28-inch reinforced concrete walls) explosive components are removed from the munition bodies. Rockets with their explosive components were cut into eight pieces and fed into the deactivation furnace system (DFS).

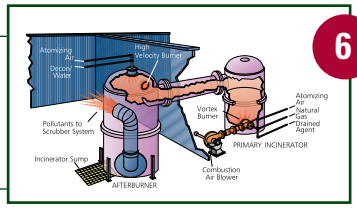


4

The deactivation furnace system destroys the explosive components using natural gas at a temperature of about 1,050°F. An afterburner and pollution abatement system destroy and clean DFS gases before they are released.

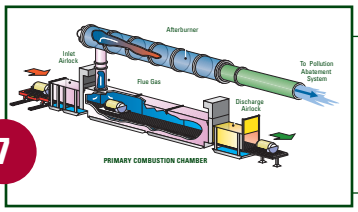
5

In the munitions processing bay, liquid agent is drained from the munition bodies.



6

Drained chemical agent is destroyed in a liquid incinerator (LIC) using natural gas at a temperature of 2,700°F. Chemical agent destruction occurs at 800°F. An afterburner and pollution abatement system destroy and clean LIC gases before they are released.



7

Empty munition shells are thermally decontaminated in the metal parts furnace (MPF) at a temperature of 1,400-1,600°F. The decontaminated metal is recycled. An afterburner and pollution abatement system destroy and clean MPF gases before they are released.

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